

KOLOMIETS, Maksim Fedorovich [Kolomiets', M.F.]; TRIPILETS, T.N.
[Trypilets', T.N.], kand.geograf.nauk,otv.red.

[Poltava Province] Poltavs'ka oblast'. Kharkiv, Vyd-vo
Kharkiv's'koho derzh.univ., 1959. 90 p. (MIRA 13:2)
(Poltava Province--Economic conditions)

BUKSHPUN, I., inzh.; KOLOMIYETS, N., inzh.

Using electric ranges in homes. Zhil. stroi. no.7:27-29 '62.
(MIRA 15:9)

(Stoves, Electric)

TERSKOV, I., prof.; KOLOMIYETS, N., doktor biolog. nauk

Trap with a PRK-7 lamp. Zashch. rast. ot vred. ~~is~~ bal. 10 no. 9:
46 '65. (MIRA 18:J{)

1. Sibirskoye otdeleniye AN SSSR.

KCLCMTYETS, N. G.

Parasites - Silkworms

New species of the genus Masicera from Siberia (Diptera, Larvivoridae) is a parasite of the Siberian silkworm. Zool. zhur. 31, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, July 1952, Uncl.
2

KALOMIETS, N.G.

USSR/Miscellaneous - Book review

Card 1/1 : Pub. 86 - 42/46

Authors : Krylov, G. V., Cand. Biol. Sci., and Kalomets, N. G., Cand. Biol. Sci.

Title : Nature in the Tomsk District

Periodical : Priroda, 43/9, 123-124, Sep 1954

Abstract : Review of a book entitled "Nature in the Tomsk District", by E. G. Loganzen, published by the Tomsk District Reader's Bureau, Tomsk, 1953, 48 pages.

Institution : West Siberian Affil.

Submitted :

KOLOMIYETS, N.G.

Larch gall gnat (*Dasyneura laricis* F.Lw.) (Diptera, Cecidomyiidae)
in the forests of Siberia. Zool.zhur. 34 no.2:347-350 Mr-Ap '55.
(MLRA 8:6)

1. Biologicheskiy institut Zapadno-Sibirskogo filiala Akademii
nauk SSSR.
(Siberia--Gall gnats)

Abs Jour : Ref Zhur - Biol., No 5, 1958, 21078
APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000823920008-9

Author : Gukasyan, A.B., Kolomiycts, N.G.

Inst : -

Title : An Experiment in the Use of Silkworm Bacilli in the
Control of the Siberian Silkworm.

Orig Pub : Lesn. kh-vo, 1957, No 1, 38.

Abstract : The larvae of the Siberian silkworm were infected in the
laboratory and on trees in the forest with bacilli from
the dead larvae of the Siberian silkworm (from the regions
of Prichulymye and Altai) and with bacilli cultivated in
Irkutsk. On the fourth day after spraying the trees with
the culture from Irkutsk 87% of the adult larvae were dead;
after spraying with culture from the Altai region 86% of
the larvae were dead; 96% of the adult larvae died after
spraying with culture from Prichulymye.

Card 1/1

KOLOMIYETS, N.G.

Biology of *Mikia magnifica* Mik (Diptera). Trudy Biol. inst. Zap.-
Sib. fil. AN SSSR no.1:85-86 '56 (MLRA 10:4)
(SALAIR RIDGE--DIPTERA) (PARASITES--MOTHS)

Kolomiyets, N.G.

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9

USSR / Forestry. Forest Economy.

K-4

Abs Jour: Ref Zhur - Biologiya, No. 1, 1958, 1340.

Author : Krylov, G.V., Kolomiyets, N.G.

Inst : Institute of Forests of the Acad Sci GruzSSR

Title : Major Types of Thinning Employed in the Mountain Forests of Western Siberia

Orig Pub: Tr. in-ta lesa. Akad. Nauk GruzSSR, 1956, 6,
101-106.

Abstract: This is a discussion of the unsatisfactory state of natural reforestation in the most common types of forest. In the cedar, fir, and larch types of forests there is excessive new growth of deciduous varieties with almost no replacement of the principle species. The III

USSR/General and Systematic Zoology. Insects. Harmful
Insects and Acarids. Forest Pests.

P

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11649

Author : Kolomyets N.G.

Inst : West Siberian Affiliate AN SSSR.

Title : The Siberian Silkworm - a Pest of the Taiga Plain.

Orig Pub : Zap. Sibiri. Zap.-Sib. fil. AS SSSR, 1957, 3,
61-67.

Abstract : The Siberian silkworm (S) of the West Siberian taiga plain is a pest of first-degree importance. Its propagation is restricted by swamping of the soil depending upon the meso- and micro- relief form, the height of the snow cover, the degree of the percolation of the sediments and the level of underground waters. The swamping degree of the plain forests depends upon the height and the

Card : 1/3

- 35 -

APPROVED FOR RELEASE: 09/18/2001 by. CIA-RDP86-00513R000823920008-9
Insects and Acarids. Forest Pests.

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11649

duration of the spring waters in the rivers; depth of the highest levels in the rivers is an indication of the menace of S propagation. Outbreaks of mass propagation take place more frequently in the southwestern (elevated) portion of the plain in the periods of widespread droughts in Western Siberia and in the ensuing decrease of swamping, due to which the zone of the rivers' draining influence becomes favorable for the hibernation of the caterpillars. Since 1953, S multiplied already on 4 million hectares, principally in Prichulym'ye, developing nidi which extended to 62° no. lat. The growth of S in the first summer cycle was predominant and was followed by a reduction of the numbers of caterpillars and butterflies and a

Card : 2/3

USSR/General and Systematic Zoology. Insects. Harmful
Insects and Acarids. Forest Pests.

P

Kolenivets, N. G.

USSR/General and Special Zoology. Insects

P-2

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 63930

Author : Kolenivets N.G.
Inst : ..

Title : New Data on the Parasites of the Siberian Silk-worm Moth

Orig Pub : Leng. kh-vo, 1957, No 7, 57-58

Abstract : In Siberia the major enemy of the Siberian silk-worm moth is the egg-eater, Telenomus gracilis. In nature, it hibernates in the forest soil cover. In July, the period when the host is depositing its eggs, the egg-eaters concentrate at the gathering points of this pest. When the moth flies, the parasites congregate on its body and are carried around by it. The parasite holds on to the long hairs on butterfly's chest or crawls into the deep folds at the base of the butterfly's wings. When the host moth has no eggs, the tele-

Card : 1/2

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9

USSR/General and Special Zoology. Insects

P-2

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 63930

nomus females can live for 5-6 months; when there are eggs, the oviposition lasts for 1-16 days, after which the egg-eaters die. Telenomus females can lay from 53-229 eggs; in one moth of she deposits from 3 to 29 of her own. At a temperature of 23 degrees the telenomus takes 17-19 days to develop, at a temperature of 4-5 degrees about four months. Sometimes the telenomus infects 75-95% of the host's eggs. In the second place among the serious enemies of the silkworm moth is the other egg-eater, Trichogramma dendrolimi. A third egg parasite, Ooencyrtus piniocla, is less frequently encountered. A secondary parasite of both of these egg-eaters is Pachyneuron solitarius. Dusting and spraying the forest with insecticides (DDT) reduces the number of egg-eaters by 10-12 times. When insecticides are used locally, the egg-eater population can re-store itself in a year, Card : 2/2 coming in from the adjacent untreated areas.

.... I.A. Rubtsov

KOLOMIYETS, N.G.; KOVALENOK, A.V.

Biology of the egg parasite Telenomus gracilis Mayr (Hymenoptera,
Scelionidae). Izv. Sib. otd. AN SSSR no.10:96-106 '58.

(MIHA 11:12)

1.Zapadno-Sibirskiy filial AN SSSR, Tomskiy gosudarstvennyy
universitet.

(Siberia--Parasitica)

(Silkworms--Biological control)

KOLOMIYETS, N.G.

Parasites of injurious forest insects in Siberia. Ent. oboz. 37
no. 3:603-615 '58. (MIRA 11:10)

1. Sibirsckoye otdeleniye AM SSSR, Novosibirsk.
(Siberia--Parasites--Forest insects)

KOLOMIYETS, N.G.; GUKASYAN, A.B.

Role of sarcophagid flies in the spread of septicemia of the larch
spinner. Izv.Sib.otd.AN SSSR no.2:116-119 '60. (MIRA 13:6)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR.
(Flies as carriers of disease)
(Silkworms—Diseases and pests)

KRYLOV, G.B., KOLOMIYETS, N.G.

New work on ecology ("Principles of ecology" by B.G. Logansen.
Reviewed by G.V.Krylov, N.G.Kolomiets. Izv.Sib.otd.AN SSSR
no.5:109-111 '60. (Ecology) (Logansen, B.G.)
(MIRA 13:7)

KOLOMIYETS, N.G.; TERSKOV, I.A.

Use of ultraviolet radiation in controlling the larch ~~spinner~~.
Izv. Sib. otd. AN SSSR no. 11:104-113 '60. (MIRA 14:1)

1. Biologicheskiy institut i Institut fiziki Sibirskogo
otdeleniya AN SSSR.
(Ultraviolet rays) (Forest insects)

ZHOKHOV, Pavel Ivanovich; GRECHKIN, Vladimir Pavlovich; KOLOMIYETS,
Nikolay Grigor'yevich; VYSOTSKAYA, Aleksandra Vladimirovna;
LONSHCHAKOV, Sergey Stepanovich; VORONTSOV, A.I., red.;
FUKS, Ye.A., red.izd-va; PARAKHINA, N.P., tekhn. red.

[Tent caterpillar, Dendrolimus sibericus, and measures for
its control] Sibirskii shelkopriiad i mery bor'by s nim. Pod
obshchsei red. N.G.Kolomietsa i P.I.Zhokhova. Moskva, Gos-
lesbumizdat, 1961. 139 p. (MIRA 15:4)
(Tent caterpillars)

KOLOMIYETS, N.G.

Cold hardiness of silkworms and the temperature cycle of overwintering sites. Izv.Sib.otd.AN SSSR no.1:113-120 '61. (MI A 12.2)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR.
(Silkworms)

KOLOMIYETS, N.G.; GUKASYAN, A.B.

Composition and properties of hemolymph of the larch spinner.
Izv. Sib. otd. AN SSSR no. 3:82-89 '61. (MIRA 14;5)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR,
Novosibirsk. (Tent caterpillars) (Hemolymph)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9

KOLOMIYETS, N.G.; GUKASYAN, A.B.

Symposium on the problem of the larch spinner. Izv. Sib. otd. AN
SSSR no. 3:113-114 '61. (MIRA 14:5)
(Siberia—Tent caterpillars)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9"

KOLOMIYETS, Nikolay Grigor'yevich; CHEREPANOV, A.I., doktor biol.
nauk, otd. red.; PADERIN, G.N., red.; VIALYKH, A.M.,
tekhn. red.

[Parasites and predators of the tent caterpillar
Dendrolimus sibiricus] Parazity i khishchniki sibirskogo
shelkopriada. Novosibirsk, Izd-vo Sibirskogo otd-ia
AN SSSR. 1962. 172 p. (MIRA 16:7)
(Siberia--Tent caterpillars--Biological control)

KOLOMIETS, N.G.

Ecologic characteristics of the tussock moth *Euprctis similis* Fssl.
in the forests of Tuva. Vop. ekol. 7:82-83 '62. (MIRA 16:5)

1. Biologicheskiy institut Sibirskego otdeleniya AN SSSR,
Novosibirsk.
(Tuva A.S.S.R.--Tussock moth) (Tuva A.S.S.R.--Forest insects)

TERSKOV, I.A.; KOLOMIETS, N.G.

Attraction of the moths of the tent caterpillar *Dendrolimus sibiricus* Tschetv. (Lepidoptera, Lasiocampidae) by ultraviolet light. Ent. oboz. 41 no.2:306-309 '62.
(MIRA 15:11)

1. Institut fiziki i Institut biologii Sibirskogo
universiteta AN SSSR, Novosibirsk.
(Tuva A.S.S.R.--Tent caterpillars)
(Insect traps)

KOLOMIYETS, N.G.; TERSKOV, I.A.

Forest insects of Siberia susceptible to ultraviolet rays.
Izv. SO AN SSSR no.12. Ser. biol.-med. nauk no.3:82-90
'63. (MIRA 17:4)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR,
Novosibirsk i Institut fiziki Sibirskogo otdeleniya AN SSSR,
Krasnoyarsk.

TERSKOV, I.A.; KOLOMIYETS, N.G.

Observations on insect fluorescence. Izv. SO AN SSSR no.12:
Ser. biol.-med. nauk no.3;147-150 '64. (MIRA 1886)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR, Krasnoyarsk i
Biologicheskiy institut Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

KOLOMIYETS, N.I.

Measuring worms of the genus Boarmia, the forest pests in Western
Siberia. Izv. SO AN SSSR no.4 Ser. biol.-med.nauk no.1:105-112 '65.
(MIRA 18:8)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

L 0239-05

ACCESSION NR: AP5017082

UR/0290/65/000/001/0155/0156

Niomiyets, N. G.

Review on biological pesticide methods in agriculture and

Sibirskoje SSSR. Sibirskeje otdelenije. Izvestiya. Seriya
znanii i nauchno-tekhnicheskikh nauk, no. 1, 1965, 155-156

TOPIC TAGS: biologic conference, plant disease control, pesticide, biology, funus, soil, horticulture, forestry

ABSTRACT: Forestry and agricultural specialists at the symposium (Nov. 17-20, 1964) in Novosibirsk discussed the following subjects:
1) plant diseases, bacterial preparations, and their industrial
use; 2) parasitic and predatory insects and their use in

protecting plants. An increase in interest in biological control of pests and the more important role of entomological methods in agriculture was mentioned at this symposium.

1000 1/2

L 65239-65

ACCESSION NR: AP5017082

Possibility of using entomopathogenic microorganisms to wipe out
mosquitoes, their life cycle, and their populations

Training, publication of scientific and popular literature,
trainings of specialists, and organization of bacteric's cooperation
with other countries, etc.

ASSOCIATION: None.

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

OTHER: 000

Card 2/2

KOLGMIYETS, N.G.; TERSKOV, I.A.

Characteristics of the flight of the firefly *Lampyris noctiluca*
L. (Coleoptera, Cantharididae) to the light of a quartz mer-
cury lamp. Izv. SO AN SSSR no.8. Ser.biol.-med.nauk no.2:165-
166 '65. (MIRA 18:9)

J. Institut fiziki Sibirskogo otdeleniya AN SSSR, Krasnoyarsk i
Biologicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

BUKSHFUN, I.D., kand.tekhn.nauk; KOLOMIETS, N.N.

Problem concerning the use of electricity in food preparation.
Energ. i elekrotekh. prom. no.2:52-56 Ap-Je '62. (MIRA 15:6)

1. Nauchno-issledovatel'skiy institut gradostroitel'stva
Akademii stroitel'stva i arkhitektury USSR.
(Stoves, Electric)

BUKSHPUN, I.D.; KOLOMIETS, N.N.

Concerning the electrical heating of dwellings. Energ. i elektrotekh.
prom. no.1:43-47 '62. (MIRA 15:6)

1. Nauchno-issledovatel'skiy institut gradostroitel'stva Akademii
stroitel'stva i arkhitektury USSR.
(Electric heating)

BUKSHPUN, I.D., kand.tekhn.nauk; KOLOMIYETS, N.N., inzh.

Use of electric heating in residential buildings. Vod. i san.
tekh. no.8:3-7 Ag '62. (MIRA 15:9)
(Electric heating)

KOLOMIETS, N. S.
KOLOMIETS, N. S.

KOLOMIETS, N. S. - Arkh. 1 VAYNSHTEYN, S. M. - Kand. Arkh.

Institut arkhitektury sooryzheniy Akademii arkhitektury USSR.
Kolkhoznye kluby dla sel ukrainskoy SSR Page 77

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950, Moscow 1951

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9

KOLOMIYETS, N. S., arkitektor; PAN'KO, G., arkitektor; SAMOYLOVICH, V.,
arkitektor

New standard plans for farmhouses to be built in the Ukraine.
Zhil.stroi. no.10:8-12 '58. (MIRA 12:6)
(Ukraine--Farmhouses)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9"

KOLOMIYETS, N. S.

KATERNOGA, M. [Katernoha, M.], kand.arkhitektury; SAMOYLOVICH, V.
(Samoilovich, V.), kand.arkhitektury; KOLOMIYETS, N. [Kolomiet's, M.],
kand.arkhitektury.

New standard plans for collective farm houses. Projek. i bud. 1
no.1:37-39 0 '59. (MIRA 13:12)

(Ukraine—Farmhouses)

VLASYUK, P.A., akademik; KOLOMIYETS, O.D. [Kolomiiets', O.D.]; VITKALENKO,
L.P.

Effect of gamma irradiation of seeds on the extracts of cellular
structures of sugar beet leaves. Dop. AN URSR no.5:678-682 '64.
(MIRA 17:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii rasteniy
AN UkrSSR.

KOLOMIYETS, O.K.

COUNTRY USSR

CATEGORY CULTIVATED PLANTS COMMERCIAL. Oleiferous. Sugar-Bearing.

ABSTRACT: REF ZHUR-BIOL, 21, 1958, NO. 96075

AUTHOR: Orlovskiy, N.K.; Kolomiyets, O.K.; Popov, A.V.

TEXT: Single Seed Sugar Beet

ORIG. PUBL.: Vestnik s.-kh. nauki, 1957, No. 12, 65-74

ABSTRACT: By means of the selection of single seed fruits and cross-pollinating their offspring 1 specimen of completely single seed sugar beet was obtained in the USSR in 1936. Subsequent crossing with better varieties of multiple seed beet and repeated selection (chiefly individual) for single-seed bearing, rapid ripening, productivity, saccharinity, disease resistance and other important characteristics made it possible to develop the single seed varieties and increase their produc-

Card:

1/3

117

KOLOMIYETS, Ol'ga Kirillovna [Kolomiet's', O.K.]

Our "child" has got its name. Znan.ta pratsia no.3:12-14
Mr '60. (MIRA 13:6)

1. Zavedyushchaya otdelom selektsii sakharinoj svetly
Belotserkovskoy selekcionno-issledovatel'skoy stantsii.
(Belya-Tserkov'—Sugar beets)

KOLOMIYETS, Ol'ga Kirillovna, Laureat Leninskoy premii; LAVRUSHIN, Mikhail Alekseyevich, agronom; LEONOVA, T.S., red.; RAKITIN, I.T., tekhn. red.

[Cultivation of monospermous sugar beets; a collection of articles] Vozdelyvanie sakharnoi svekly s odnosemianymi plodami; sbornik. Moskva, Izd-vo "Znanie," 1961. 29 p. (Vsesciuznnoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe khoziaistvo, no.21) (MIRA 14:11)

1. Zaveduyushchaya otdelom selektsii Belotserkovskoy optyno-selektsionnoy stantsii po sakharnoy svekle (for Kolomiyets).
(Sugar beets)

L 10307-67

ACC NR: AP6029895

SOURCE CODE: UR/0413/66/000/015/0056/0056

INVENTORS: Kolomiyets, O. M.; Proshin, Ye. M.

11

ORG: none

TITLE: Electronic time interval length meter. Class 21, No. 184341

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 56

TOPIC TAGS: time interval counter, time measurement

ABSTRACT: This Author Certificate presents an electronic time interval length meter containing a multidigit counter, a controllable reference frequency oscillator, a digital indication circuit, and a control circuit. To decrease the instantaneous relative error in measuring the length of single and periodic time intervals in a wide range of variation, the device contains an overflow pulse counter connected to the output of the main counter. The output of the overflow counter is connected through a decoder to the controlling inputs of the reference frequency oscillator and to the decimal point position indicator of the digital indication circuit. The device also contains a delay circuit whose input is connected to the output of the main counter and whose output is connected to the one record input of the most significant digit of the main counter.

SUB CODE: 09/
Card 1/1

SUBM DATE: 12Apr65

UDC: 621.317.787

KOLOMIETS, O.S. [Kolomiets', O.S.], student biolog. fakul'teta;
SHAPOSHNIKOVA, L.N., nauchnyy rukovoditel', dots.

Vegetation of Kokchetav Province as related to the reclama-
tion of virgin lands in Kazakhstan. Pratsi Od.un. Zbir.stud.
rob. 149 no.5:205-207 '59. (MIRA 13:4)

1. Odesskiy gosudarstvennyy universitet.
(Kokchetav Province--Botany)

GORBENKO, Ye. [Horbenko, IE]; KOLOMIYETS, P. [Kolomiiets', P.]

Mechanized cement-sand tile plant. Sil'.bud. 12 no.6:15-16
Je '62. (MIRA 15:8)

1. Predsedatel' Kodymskoy mezhkolkhoznoy stroitel'skoy organizatsii
Odesskoy oblasti (for Gorbenko). 2. Starshiy inzh. Odesskogo
oblastnogo mezhkolkhozstroya (for Kolomiyets').
(Odessa Province--Tiles)

KOLOMIYETS, P. T.

Defended his Candidates dissertation in the Biology - Soil Faculty of Moscow State University on 3 July 1952.

Dissertation: "The Rest Stage in Red Clover."

SO: Vestnik Moskovskogo Universiteta, Seriya Fiziko-Matematicheskikh i Vystestvennykh Nauk, No. 1, Moscow, Feb 1953, pp 151-157: transl. in W-29782, 12 April 54, For off. use only.

KOLOMIETS, P.T.

Contraction of protoplasm as an indication of dormancy or growth
in red clover. Fiziol.rast. 2 no.2' 141-147 Mr-Ap'55.
(MLRA 8:10)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
(Clover) (Plant cells and tissues)

KOLOMIYETS, P.T.

KOLOMIYETS, P.T.

Dormant period of red clover. Izv.AN SSSR. Ser.biol. no.4:50-57
J1-Ag'55. (MLRA 8:10)

1. Moskovskiy Gosudarstvennyy universitet imeni Lomonosova, Botanicheskiy sad.

(Clover)

KOLOMIYETS, R.I.; SEVOST'YANOV, S.P.

Productivity of monospermous sugar beets as related to the
biological properties of the fruit. Agrobiologiya no.6:918-
921 N-D '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy
sverkly, Kiyev.

KOLOMIETS, S.F.; MEL'NIK, M.K.

Utilizing fully the reserves of state sugar beet farms. Sakh.prom. 27
no. 11; 4-9 '53. (MLRA 7:1)

1. Glavnoye upravleniye zemelnykh promyschlennostei.
(Sugar beets)

KOLOMIYETS, S.-G.

183T76

USSR/Medicine - New Remedies

MAY 51

"Treatment of Nonspecific Inflammatory Processes With Biokhinol," S. G. Kolomyets, Stavropol, Kray

"Sov Med" Vol XV, No 5, p 28

Obtained striking results by treating furunculosis with biokhinol /bioquinol?/ according to V. Ya. Chekin's method ("Treatment of Persistent Furunculosis Forms With Biokhinol," "Sov Med" No 12, 1947). Found biokhinol very effective for expediting healing of wounds and for treating various inflammatory processes including conjunctivitis, anginas and catarrhs of the

183T76

USSR/Medicine - New Remedies (Contd)

MAY 51

throat. Remedy is injected intramuscularly into outer upper quadrant of the buttocks. Injections not only cure path condition, but have tonic effect on the whole organism.

183T76

ROZOVSKIY, L.D., inzh.; MISHURIS, A.I., inzh.; KOLOMIYETS, V.A., inzh.

Jet apparatus for making slag pumice. Stroi.mat. 6 no.4:
17-19 Ap '60. (MIRA 13:6)
(Slag) (Jets—Fluid dynamics)

KOLOMIYETS, V.G.; TAMARA, N.S.

Improvement in the holder for the URD-105-K4 X-ray apparatus for vertical roentgenographs using a moving grid. Vest. rent. 1 rad.
no.5:80-81 S-0 '54.

(MLRA 7:12)

(ROENTGENOGRAPHY, apparatus and instruments,
holder of x-ray appar. for vertical pictures with
application of grill)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9

KOLOMIYETS, V.G., podpolkovnik med. sluzhby (Odessa)

Lymphosarcoma of the stomach. Vrach.delo no.1:1319 D '58.

(STOMACH--CANCER)

(MIRA 12:3)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9"

KOLOMIYETS, V.G. (Odessa)

Case of osteochondropathy of the septum supratrochlearis of the
humerus. Ortrop.travm.i protez. 21 no.4:78-79 Ap '60.

(MIRA 13:9)

(HUMERUS--DISEASES)

(OSTEOCHONDROSIS)

24.4100

44205

S/021/62/000/011/001/013
D251/D308

AUTHOR:

Kolomiyets', V.

TITLE:

On the parametric effect of a harmonic and random force on a nonlinear oscillatory system

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 11, 1962, 1413-1417

TEXT: The author considers the equation

$$\frac{d^2x}{dt^2} + 2\delta \frac{dx}{dt} + \omega^2 [1 - h \cos \nu t + \xi(t)] x = \varepsilon f \left(x, \frac{dx}{dt} \right) \quad (1)$$

which describes the motion of a nonlinear oscillatory system. Here h and ν are constants, δ is the damping coefficient, ε is a small positive parameter; $\xi(t)$ is a steady generalized Gaussian random process with zero mean and δ -similar self-correlation function

Card 1/3

S/021/62/000/011/001/013
D251/D308

On the parametric ...

$$R(\tau) = S_0 \delta(\tau) \quad (2)$$

where S_0 , the intensity of $\xi(t)$ is such that the maladjustment of the system is small. The problem is solved by the application of averaging methods, and the application of the method of the Einstein-Fokker-Planck equations. The resulting equations are solved by Androv's method (Sobr. trud., Izd-vo AN SSSR, 1956, 142). The case of Van-der-Pol type equations, where the frequency varies periodically, due to 'white noise' type fluctuations, is considered as an example. The value of the coefficient K, which arises in the course of the analysis, is expressed in Bessel functions of imaginary argument and imaginary index which, so far, have not been greatly studied.

ASSOCIATION: Instytut matematyky AN URSR (Institute of Mathematics of the AS UkrSSR)

Card 2/3

37529

16.3400
24.4100S/041/62/014/002/006/008
B112/B108AUTHOR: Kolomyets, V. G.TITLE: Parameter action of a random force upon a non-linear
oscillatory system

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 14, no. 2, 1962, 211-214

TEXT: The solution of the equation $\frac{d^2x}{dt^2} + \omega^2 [1 + \xi(t)]x = \varepsilon f(x, dx/dt)$ leads to the solution of a system $\frac{du}{dt} = U(u) + \xi_1(t)$, $\frac{d\psi}{dt} = \theta(u) + \xi_2(t)$, where $U(u) = -(\varepsilon/\omega)e^{-u} K_0(e^u) + m_1$, $\theta(u) = -(\varepsilon/\omega)e^{-u} P_0(e^u) + m_2$, $K_0(a) = \frac{1}{2\pi} \int_0^{2\pi} f(a \cos\psi, -a\omega \sin\psi) \sin\psi d\psi$, $P_0(a) = \frac{1}{2\pi} \int_0^{2\pi} f(a \cos\psi, -a\omega \sin\psi) \cos\psi d\psi$, $\psi = \omega t + \vartheta$. This system is solved for a few special cases.

SUBMITTED: January 24, 1962, Kiyev

Card 1/1

43391

S/041/62/014/004/003/007
B172/B11294-4150
AUTHOR: Kolomiyets, V. G. (Kiyev)TITLE: A study of nonlinear oscillatory systems with many degrees
of freedom in the presence of random perturbationsPERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 14, no. 4, 1962,
407 - 411

TEXT: The system considered is described by equations

$$\sum_{s=1}^n \{a_{is} \ddot{x}_s + c_{is} \dot{x}_s\} - \xi \Phi_i(x_1, \dots, x_n, \dot{x}_1, \dots, \dot{x}_n) = \xi_i(t) \quad (1)$$

($i = 1, 2, \dots, n$); where x_i are generalized coordinates; a_{is} , c_{is} are constants, Φ are polynomials in x_i , \dot{x}_i , $\xi_i(t)$ are stationary random processes of the type of weak white noise (with constant spectral density); ξ is a small number. The unperturbed system ($\xi=0$, $\xi_i(t)=0$) should admit undamped oscillations of a frequency ω_i that depend on two arbitrary constants only, and the unambiguous stationary solution to which is $x_i=0$.

Card 1/2

S/041/62/014/004/003/007
B172/B112

A study of nonlinear oscillatory ...

The approximate formulation $x_i = \psi_i^{(1)} a \cos(\omega_1 t + \theta)$, where ω_1 and $\phi_i^{(1)}$ are determined by $\det \left[-a_{is} \omega_{is}^2 + c_{is} \right] = 0$, $\sum_{s=1}^n \{a_{is} \omega_{is}^2 + c_{is}\} \psi_s^{(1)} = 0$ gives the differential equations $\frac{da}{dt} = \epsilon A(a) + \psi_1(t)$, $\frac{d\theta}{dt} = \epsilon B(a) + \frac{1}{a} \psi_2(t)$, (6) where ψ_1 and ψ_2 describe pure white noise and where

$$A(a) = -\frac{1}{2\pi\omega_1} \int_0^{2\pi} \sum_{s=1}^n \psi_s^{(1)} \phi_s \sin \psi d\psi, \quad B(a) = -\frac{1}{2\pi\omega_1 a} \int_0^{2\pi} \sum_{s=1}^n \psi_s^{(1)} \phi_s \cos \psi d\psi$$

($\psi = \omega_1 t + \theta$). The autocorrelation functions of ψ_1 , ψ_2 have the form $\psi_i(t) \psi_i(t+2\tau) = N\delta(\tau)$. N should be small. The stationary limiting cycle a_0 , θ_0 of (6) is obtained from $A(a_0) = 0$, $\frac{d\theta_0}{dt} = \epsilon B(a_0)$. Stationary oscillations are studied under the assumptions $a = a_0 + z$, $\theta = \theta_0 + \chi$. The differential equations obtained for z and χ are studied statistically with the aid of the Fokker - Planck - Kolmogorov equation.

SUBMITTED: June 20, 1962
Card 2/2

KOLOMIYETS, V.G.

Effect of random forces on nonlinear vibration systems. Pribl.
metod. resh. diff. urav. no.1t40-46 '63 (MIRA 18:2)

KOLOMIYETS, V.G. [Kolomietst, V.H.]

Effect of harmonic and random forces on a self-oscillatory system. Dop. AN URSR no. 6701-704 '63 (MIR 17:7)

1. Institut matematiki AN UkrSSR. Predstavлено академиком AN Ukr SSR Yu. A. Mitropol'skim [Mytropol's'kyi, IU.O.].

KOLOMIYETS, V. G.[Kolomiets¹, V. H.] (Kiyev)

Nonlinear vibrating systems with random parameters. Prykl. mekh.
9 no. 3:329-330 '63. (MIRA 16:4)

1. Institut matematiki AN UkrSSR.

(Vibration)

L 18560-63

EWT(m)/EWT(l)/EWP(r)/BDS AFFTC/ASD/IJP(C) EM

ACCESSION NR: AP3003323

S/0041/63/015/002/0199/0205
*50*AUTHOR: Kolomyets, V. G. (Kiev)TITLE: Parametric random effect on linear and nonlinear oscillating systems *jk*

SOURCE: Ukrainskiy matematicheskiy zhurnal, v. 15, no. 2, 1963, 199-205

TOPIC TAGS: differential equation, stationary process, Wiener process, Markov process, stable solution

ABSTRACT: The author considers the linear oscillating system described by

$$\frac{d^2x}{dt^2} + 2\delta[1 + \xi(t)] \frac{dx}{dt} + \omega^2[1 + \xi(t)] = 0, \quad (1)$$

where $\xi(t)$ is a stationary normal random process with 0 mean and autocovariance (with $\delta(\tau)$ as the Dirac Delta at τ).
2

$$R_\theta(\tau) = S_0\delta(\tau), \quad (2)$$

He assumes $S_0 \ll 1$ and $\delta \ll \omega$ so that the process does not lead to large changes of amplitude and phase in the course of one period. Equation (1) is reduced to a pair

Card 1/2

L 18560-63
ACCESSION NR: AP3003323

of stochastic differential equations (phase plane) for which existence and uniqueness of solutions were proved by various authors. For the distribution of the process, an equation of Kolmogorov would have to be solved. Since this is very difficult, the author makes a change of variables, following Krylov and Bogolyubov, which leads to one of the coordinates being a one-dimensional Markov process whose distribution is still too difficult to obtain via the given Fokker-Planck equation. Using the slowly varying property of some of the coefficient functions in the latter stochastic differential equations, he obtains an approximate solution for the distribution. Thus in linear systems there cannot be a stable regime of parametric oscillations. Their oscillations will either grow unboundedly or decrease to zero. The author next considers the nonlinear equation

$$\frac{d^2x}{dt^2} + 2\alpha[1 + \xi(t)] \frac{dx}{dt} + \omega^2[1 + \xi(t)]x = \epsilon f\left(x, \frac{dx}{dt}\right). \quad (3)$$

and shows that under the same conditions as in the previous case there can exist a stable regime of oscillations. Orig. art. has: 24 formulas.

ASSOCIATION: none
SUBMITTED: 15Dec62
SUB CODE: PH, MM
Card 2/2

DATE ACQ: 24Jul63
NO REF Sov: 011

ENCL: 00
OTHER: 001

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9

KOLOMIYETS, V. G. (Kiev)

"Zufallige Schwingungen quasilinearer Systeme."

report submitted for 3rd Conf on Nonlinear Oscillations, E. Berlin, 25-30 May 64.

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9"

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9

KOLOMIYETS, V.G.

First Republic Scientific Conference of Young Researchers in
Mathematics. Ukr.mat.zhur. 16 no. 3:428 '64. (MIRA 17:7)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000823920008-9"

L 8766-66 EWT(d)/EWP(1) IJF(c)
 ACC NR: AR5018766 SOURCE CODE: UR/0274/65/000/007/A012/A013

SOURCE: Ref. zh. Radiotekhnika i elektronika. Svednyy tom, Abs. 7A88

44, 55
 AUTHOR: Kolomiyets, V. G.

TITLE: Parametric random oscillations in linear and nonlinear systems

CITED SOURCE: Sb. dokl. Tashkentsk. politekhn. in-t, no. 6, 1964, 49-59

TOPIC TAGS: parametric oscillation, nonlinear system

TRANSLATION: A random-variable resistance or capacitance may result in random oscillations in a parametric stochastic system. Excitation of parametric systems describable by second-order linear and nonlinear equations with random variable coefficients is analyzed. A linear system described by this equation is considered:

$\frac{dx}{dt} + 2\delta(t) \frac{dx}{dt} + k(t)x = 0$, in which $\delta(t)$ and $k(t)$ are the stationary random processes with average values $M[\delta(t)] = \delta^*$ and $M[k(t)] = \omega^2$. If the random processes are represented by white noise, the initial equation can be interpreted as a differential stochastic equation describing a second-order Markov process; this equation describes near-harmonic oscillations whose phase and amplitude vary slowly. The nature of this variation can be found from the equations that describe densities of distribution of amplitude and phase logarithms. Bib 8.

SUB CODE: 17, 12

Card 1/1 jw

UDC: 621.373.93

L 26118-66 EWT(1)

ACC NR: AP6015023

SOURCE CODE: UR/0041/66/018/003/0051/0057

AUTHOR: Kolomiets, V. G. (Kiev); Korenevskiy, D. G. (Kiev)

ORG: none

TITLE: On excitation of oscillations in nonlinear systems with random delay

SOURCE: Ukrainskiy matematicheskiy zhurnal, v. 18, no. 3, 1966, 51-57

TOPIC TAGS: oscillation theory, nonlinear oscillatory system, delay oscillatory system, random delay, quasilinear oscillatory system

ABSTRACT: An analysis is made of the oscillatory processes in the quasilinear oscillatory system described by a differential-difference equation of the form

$$\frac{d^2x(t)}{dt^2} + k_1 \frac{dx(t)}{dt} + k_2 \frac{dx(t - \Delta(t))}{dt} + k_3 x(t) + k_4 x(t - \Delta(t)) = \epsilon f\left[x(t), x(t - \Delta(t)), \frac{dx(t)}{dt}, \frac{dx(t - \Delta(t))}{dt}\right]. \quad (1)$$

where k_1, k_2, k_3, k_4 are certain constant coefficients, ϵ is a small positive parameter, f is a nonlinear function analytic with respect to all its arguments, and $\Delta(t)$ is a delay representing the stationary random process. The case of small fluc-

Card 1/3

L 26118-66

ACC NR: AP6015023

tuations of $\Delta(t)$ is considered, that is, when

$$\Delta(t) = \Delta_0 + \varepsilon \xi(t, \varepsilon), \quad (2)$$

where Δ_0 is an averaged value of $\Delta(t)$ and $\xi(t, \varepsilon)$ is a stationary random process converging to "white noise" when $\varepsilon \rightarrow 0$. Under certain assumptions concerning the non-disturbed system (particular case of system (1) when $\varepsilon = 0$), the solution of equation (1) is sought in the form of the asymptotic expansion

$$x(t) = a(t) \cos \psi(t) + \varepsilon u_1(a(t), \psi(t)) + \varepsilon^2 u_2(a(t), \psi(t)) + \dots \quad (3)$$

in which $u_i(a, \psi), \dots$ are periodic functions of the angle ψ with the period 2π ; a and ψ are determined from the following stochastic differential equations

$$\begin{aligned} \frac{da}{dt} &= \omega A_1(a, a_\psi) + \varepsilon A_2(a, a_\psi) + \dots \\ \frac{d\psi}{dt} &= \omega + \varepsilon B_1(a, a_\psi) + \varepsilon^2 B_2(a, a_\psi) + \dots \\ (\psi - \omega t + \theta(t), \quad a_\psi &= \dot{a}(t - \Delta(t)). \end{aligned} \quad (4)$$

Card 2/3

L 26118-66

ACC NR: AP6015023

The asymptotic Krylov-Bogolyubov method is used to determine $u_1(a, \psi), \dots, A_1(a, \Delta_a)$... and $B_1(a, \Delta_a)$. Only first approximations of (3) and (4) have been considered. To determine the amplitude and the phase of oscillations of system (1), the solution of the system of stochastic equations is analyzed by means of the Fokker-Planck-Kolmogorov equation for the density of the joint distribution of amplitude and phase. The problem of determining the stationary density of amplitude distribution (important in oscillatory systems) is studied by means of a particular case of system (1), and the effect of the random delay on the performance of the system is analyzed. Orig. art. has: 31 formulas. [LK]

SUB CODE: 12/ SUBM DATE: 27Oct65/ ORIG REF: 012/ ATD PRESS: 4252.

Card 3/3 CC

ACC NR: AR6027476

SOURCE CODE: UR/0044/66/000/005/V010/V010

AUTHOR: Kolomiyets, V. G.

TITLE: Random parametric oscillations in linear and nonlinear systems

SOURCE: Ref. zh. Matematika, Abs. 5V51

REF SOURCE: Sb. dokl. Tashkentsk. politekhn. in-t, no. 6, 1964, 49-59

TOPIC TAGS: second order differential equation, quantum oscillation, linear system, nonlinear system

ABSTRACT: The second order system described by the equation

$$\frac{d^2x}{dt^2} + 2b(t) \frac{dx}{dt} + k(t)x = \varepsilon / \left[x, \frac{dx}{dt} \right].$$

is studied where

$$b(t) = b[1 + \xi(t)], \quad k(t) = \omega_0^2[1 + \xi(t)].$$

$\xi(t)$ is "white noise" with $M\xi(t)=0$ and spectral intensity S , i.e., $M\xi(t)\xi(t+\tau)=S\delta(\tau)$. Based on previous work for the case $\varepsilon = 0$, $\xi(t) \ll 1$, and $b \ll \omega_0 \ll 1$, the author shows that if

$$\left(\frac{\omega_0^2}{4} - b^2 \right) \cdot S > 48$$

undamped parametric oscillations are excited in the system caused by $\xi(t)$; if
Card 1/2 UDC: 519.21

ACC NR: AR6027476

$$\left(\frac{\omega_0}{4} - b^2 \right) s < 48,$$

oscillations are damped the system is stable. It is demonstrated by means of an example that a fixed state of parametric oscillations is possible if $\epsilon > 0$. [Translation of abstract] V. Kolemayev

SUB CODE: 12

ACC NR: AR6028103

SOURCE CODE: UR/0372/66/000/005/V010/V010

AUTHOR: Kolomiyets, V. G.

TITLE: Parametric random oscillations in linear and nonlinear systems

SOURCE: Ref. zh. Kibernetika, Abs. 5V51

REF SOURCE: Sb. dokl. Tashkentsk. politekhn. in-t, no. 6, 1964, 49-59

TOPIC TAGS: oscillation, random process, linear system

ABSTRACT: A study is made of a second-order system described by the equation

$$\frac{d^2x}{dt^2} + 2b(t)\frac{dx}{dt} + k(t)x = \epsilon f\left[x, \frac{dx}{dt}\right],$$

where

$$b(t) = b[1 + \xi(t)], \quad k(t) = \omega_0^2[1 + \xi(t)],$$

$\xi(t)$ is the "white noise" with $M\xi(t) = 0$ and spectral intensity S , i.e., $M\xi(t)\xi(t+\tau) = S\delta(\tau)$. Based on studies by the previous authors for the case in which $\epsilon = 0$, $\xi(t) \ll 1$ and $b \ll \omega_0 \ll 1$ this author demonstrates that for

Card 1/2

UDC: 519.21

Card 2/2

KOLOMIYETS, V.N., tekhnik

Record drifting rate for the Pechora Basin. Shakht. stroi. 7
no.10:23-24. 0 '63. (MIRA 16:10)

1. Vorkutinskiy Dom nauchno-tekhnicheskoy propagandy.

KOLCHIETS, V. P.

24417 KOLCHIETS, V. P. Ozhogi ot vosplameneniya gaza. Vracheb. Delo, 1949,
No. 8, STB. 703-06.

SO: Letopis, No. 32, 1949.

BERKUTOV, A.N., prof.; KOLOMIYETS, V.P.

Principles of modern treatment in stages of gunshot fractures of tubular bones. Vest. khir. 92 no.5:96-102 My '64.

(MIRA 18·1)

1. Iz kliniki voyenno-polevoy khirurgii (nachal'nik - prof. A.N. Berkutov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. Adres avtorov: Leningrad. Pirogovskaya naberezhnaya, 3, klinika voyenno-polevoy khirurgii Voyenno-meditsinskoy akademii imeni S.M. Kirova.

L 34345-66 EWT(d)/EWT(1)/EWT(m) IJP(c) JD
ACC NR: AP6007897

SOURCE CODE: UR/0420/65/000/002/0077/0081

AUTHOR: Kolomyets, V. P.

ORG: None

TITLE: The automation of the calculation of geometric characteristics of cross sections

SOURCE: Samoletostroyeniye i tekhnika vozдушного флота, no. 2, 1965, 77-81

TOPIC TAGS: calculator, integrated circuit, measuring instrument

ABSTRACT: The author reports on work conducted at the Khar'kov Aviation Institute (Khar'kovskiy aviatzionnyy institut) which has led to the construction of an EMI-2 automatic calculator of geometric characteristics of cross sections. The EMI-2 is a graphic electro-mechanical integrator and is used for the automatic determination of geometric characteristics (area F , static moments S_x and S_y , axial inertial moments I_x and I_y , and the centrifugal (inertial moment I_{xy}) of cross sections. It may also be used as a graphic functional integrator for the solution of problems which are mathematically analogous to the determination of geometric characteristics of cross sections. In this case, the integrable function should be prescribed by a scale graph. The operational principle of the device is examined in detail, and the technical specifications are presented. Orig. art. has: 1 table,

Card 1/2

24
B

L 34345-66
ACC NR: AP6007897

3 figures, and 2 formulas.

SUB CODE: 14 / SUBM DATE: none

09/

Card 2/2 ULR

L 40775-66 EWT(1)/EWT(m) JD

ACC NR: AP6018608

SOURCE CODE: UR/0420/65/000/004/0091/0097
48
*B*AUTHOR: Kolomiyets, V. P.ORG: Kharkov Aviation Institute (Khar'kovskiy aviatcionnyy institut)

TITLE: A digital calculator for determining the geometric characteristics of cross sections with respect to central axes

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 4, 1965, 91-97

TOPIC TAGS: geometric measurement, calculator, digital computer, digital integrator, photoelectric tracking

ABSTRACT: The author considers a specialized device for automatically determining the position of the center of gravity and the moments of inertia in a cross section with respect to central axes for structural strength calculations. The advantages of specialized machines over general-purpose computers are discussed, particularly from the economic standpoint. It is pointed out that the latest achievements in the development of reliable and highly accurate photoelectric systems for line tracing as well as systems for programming an outline to a given scale have made it possible to automate the process of calculating geometric characteristics without using a digital computer. The TsGI-2 instrument described by the author computes the position of the center of gravity and the moments of inertia of a given cross section in two stages. In the first

Card 1/2

L 40775-66
ACC NR: AP6018608

stage the instrument operates as an integrator for calculating the area, static moments and moments of inertia for the given cross section in a rectangular coordinate system according to simplified formulas. In the second stage, the calculator is set up to solve algebraic equations using the solutions from the first stage to find the position of the center of gravity and moments of inertia of the cross section with respect to central axes parallel to the axes of the given coordinate system. Block diagrams are given illustrating the operation of the device in both stages. Orig. art. has: 3 figures, 4 formulas.

13
SUB CODE: 09, 12/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 003

Card 212MLP

L 38223-66 ENT(m)/EWP(k)/EWP(w)/EWP(v) IJP(c) EM
ACC NR: AP6011786 SOURCE CODE: UR/0147/66/000/001/0063/0072

36
B

AUTHOR: Kolomiyets, V. P.

ORG: none

TITLE: Method for calculating the stresses and deformations in a beam cross section
under complex loading and considering actual (σ, ϵ) diagram

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 1, 1966, 63-72

TOPIC TAGS: bending stress, internal stress, successive approximation, elongation

ABSTRACT: The author proposes the method of fastest descent for the single valued (σ, ϵ) relationship. This method of sequential approximation may be used for accurate calculations of the arguments ϵ_0, k_y, k_z of the external loads N, M_y, M_z at any point in space. The numerical integration of these equations with a known cross section loading history makes it possible to determine the deformations and stress at any loading stage. This work was carried out under the following conditions and assumptions: 1. elongations are distributed according to a uniplanar law, and the stressed state is uniaxial; 2. local or general stability losses are not considered; 3. the (σ, ϵ) diagram is given; 4. the beam has a fixed cross section. The elongation ϵ_0 of the grain is determined at the origin of the coordinate system as well as the axis curvatures k_y, k_z . It is assumed that σ as a function of ϵ is known for all grains.

Card 1/2

UDC: 539.30

Card 2/2

ACC NR: AP7005259

SOURCE CODE: UR/0423/66/000/010/0017/0019

AUTHORS: Agayeva, F. M.; Alikchibokova, T. M.; Kolomytsev, V. S.; Rzayev, A. I.ORG: Azerbaijhan Scientific Research Institute of Power Engineering im. I. G. Yes'man
(Azerbaijhan'skiy nauchno-issledovatel'skiy institut energetiki).

TITLE: Investigation of a plasmatron with an air-stabilized electric arc

SOURCE: Za tekhnicheskiy progress, no. 10, 1966, 17-19

TOPIC TAGS: plasma jet, high temperature plasma, plasma generator, nitrogen oxide /
UVT-300 plasma generator

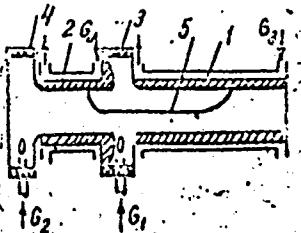
ABSTRACT: Investigation of an air-stabilized electric arc plasmatron is reported. The generator is used to obtain nitrogen oxides in a plasma jet on a unit UVT-300, built at the Azerbaijhan Scientific Research Institute, and designed for high temperature studies in plasma chemistry. The diagram of the plasmatron is shown in Fig. 1. The anode (a cylindrical jet 130 mm long and 10 mm in diameter) and the hollow cathode (75 mm long and 14 mm in diameter) are made of copper. The gaseous ring of the ring chamber, made of zirconium dioxide, has 6 tangential openings, 5.5 mm in diameter, for the passage of the air into the arc canal. The parameters investigated were: volt-amperometric characteristics, efficiency of the plasmatron, and the temperature of the plasma jet. It was established that: 1) increased flow rate of the air results in increased voltage of the arc at constant amperage; 2) with increased power, the efficiency of the plasmatron

Card 1/2

UDC: 621.387.143.001.5

ACC NR: AP7005259

Fig. 1. Bi-chamber plasmatron with vortex stabilization: 1 - anode; 2 - cathode; 3 - gaseous ring; 4 - vortex-inducing section (2nd chamber); 5 - electric arc; G₁ and G₂ - air supply; G₃ and G₄ - water supply.



drops because the velocity and the damping temperature of the gas increases, thus increasing the heat loss of electrodes; 3) the curve of the axial jet temperature vs specific energy input has an inflection at 7000—7500K and a steeper slope above 10 000K. The reason for such a temperature function is discussed in detail. Orig. art. has: 5 figures.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 008/ OTH REF: 002

Card 2/2

GURVICH, R.A., inzh.; KOLOMIYETS, V.V., inzh.

Cutting chip-curling grooves on hard-alloy plates and cutters
by the electric spark method. Mashinostroenie no.5:38-40
(MIRA 18:9)
S-0 '65.

KOLOMIETS, Ya.I.

Device for easing the unwinding of the KL-3 reel. Bezop.
truda v prom. 8 no.9:51 S '64 (MIRA 18:1)

1. Glavnnyy mekhanik Nadvorenskoy kontory razvedochnogo bureniya.

KHATIN, M.G., doktor vet.nauk; LUR'YE, M.Z., kand.vet.nauk; KOLOMIVETS, Y.L.,
vet.vrach (Zarayskiy rayon); SOLOV'YEV, V.P., vet.vrach (Voskresenskiy
rayon, Moskovskoy oblasti)

Use of chlorophos in the control of warble fly infestations of cattle.
Veterinaria 36 no.2:82-85 F '59. (MIRA 12:2)
(Phosphonic acid) (Warble flies)

DETSIK, Yu.I., dotsent; PASTUSHENKO, L.F.; MONASTYRSKIY, V.A.;
KOLOMIYETS, Ya.M.

Ballistocardiogram and electrocardiogram in pulmo-cardiac
insufficiency. Nauch. trudy L'vov. obl. terap. ob-va no.1:96-102
'61. (MIRA 16:5)

1. Kafedra propedevticheskoy terapii lechebnogo fakul'teta L'vov-
skogo meditsinskogo instituta i I terapevticheskoye otdeleniye
Oblastnoy klinicheskoy bol'nitsy (zav. - dotsent V.I. Chernov).
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Name: KOLOMIYETS, Yuriy Stepanovich

Dissertation: Red Gaddfly of the Horse and Measures to combat it

Degree: Doc Vet Sci

Affiliation: Ukrainian Inst of Experimental Veterinary Science

Defense Date, Place: 21 Apr 56, Council of Khar'kov Vet Inst

Certification Date: 15 Sep 56

Sources: BMVO 6/57

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USSR / Diseases of Farm Animals. Diseases Caused by Protozoa.

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Abs Jour : Ref Zhur - Biol., No 22, 1958, No 101337

Authors : Kolomiyets, Yu. S.; Alfimova, A. V.; Yomets, M. I.

Inst : Ukrainian Scientific Research Institute of Experimental Veterinary Medicine.

Title : The Diagnosis of Trichomoniasis in Cattle.

Orig Pub : Byul. nauchno-tekh. inform. Ukr. n.-i. in-t eksperim. vетеринарии, 1957, No. 3, 19-21.

Abstract : Comparative studies of microscopic and culture methods in which washings from vaginal mucosa and prepucial sacs were examined in order to establish the presence of trichomoniasis, proved that the culture methods are considerably superior. Allergic reactions were also tested. The water extract from centrifugally dried trichomonads of the culture broth was used as allergen. The allergen was intracutaneously injected in a 0.5 ml. dose into the shoulder blade

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Abs Jour : Ref Zhur Biol., No 5, 1959, 21432

Author : Kolomiyets, Yu.S., Alfimova, G.V., Yomets, M.I.

Inst : -

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Abstract : The microscopic cultural and allergic methods of diagnosing the disease are described. The allergic method proved to be best. Allergen was intracutaneously injected in a 0.5 ml dosage.

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